

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SFTF/SRSTP**

Application No. PA0288071  
APS ID 1010394  
Authorization ID 1303685

**Applicant, Facility and Project Information**

Applicant Name	<u>Thomas A Zeller</u>	Facility Name	<u>Thomas A Zeller SRSTP</u>
Applicant Address	<u>725 Fairchild Avenue</u> <u>Kent, OH 44240</u>	Facility Address	<u>174 Brook Road</u> <u>Clarion, PA 16214</u>
Applicant Contact	<u>Thomas Zeller</u>	Facility Contact	<u></u>
Applicant Phone	<u>(330) 606-6016</u>	Facility Phone	<u></u>
Client ID	<u>354878</u>	Site ID	<u>840177</u>
Municipality	<u>Monroe Township</u>	County	<u>Clarion</u>
SIC Code	<u>8800</u>	SIC Code	<u>4952</u>
SIC Description	<u>Private Households</u>	SIC Description	<u>Sewage treatment</u>
Application Received	<u>January 27, 2020</u>	WQM Required	<u>Yes under concurrent review</u>
Application Accepted	<u>February 11, 2020</u>	WQM App. No.	<u>1620401</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

**Summary of Review**

No listed violations. The discharge is to the main stem Piney Creek

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Approve	Deny	Signatures	Date
X		William H. Mentzer, P.E. Environmental Engineering Specialist	February 11, 2020
X		Justin C. Dickey, P.E. Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0005
Latitude DP	41° 9' 3.03"	Longitude DP	-79° 23' 57.73"
Latitude NHD	41° 9' 2.42"	Longitude NHD	-79° 23' 56.83"
Quad Name	Clarion	Quad Code	0910
Wastewater:	Treated single residence domestic wastes		
Receiving Waters	Piney Creek	Stream Code	49494
NHD Com ID	102671027	RMI	8.5
Drainage Area	43	Yield (cfs/mi <sup>2</sup> )	0.06
Q <sub>7-10</sub> Flow (cfs)	2.53	Q <sub>7-10</sub> Basis	Stream stats
Elevation (ft)	1110.77	Slope (ft/ft)	0.00175
Watershed No.	17B	Chapter 93 Class.	Cold Water Fish
Existing Use	statewide	Existing Use Qualifier	none
Exceptions to Use	none	Exceptions to Criteria	none
Comments	Discharge is at Piney Creek RMI 8.5 and 0.41 mile above tributary 49546		
Assessment Status	Impaired		
Cause(s) of Impairment	METALS, METALS, METALS		
Source(s) of Impairment	ACID MINE DRAINAGE, ACID MINE DRAINAGE, ACID MINE DRAINAGE		
TMDL Status	Name		
Background/Ambient Data	Data Source		
pH (SU)			
Temperature (°F)			
Hardness (mg/L)			
Other:			
Nearest Downstream Public Water Supply Intake	Parker City Water System		
PWS Waters	Allegheny River	Flow at Intake (cfs)	NA
PWS RMI	83.95	Distance from Outfall (mi)	33.11

Changes Since Last Permit Issuance: NA

Other Comments: No downstream water supply impairment is expected.

Total stream flow to waste flow ratio is 4000:1

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Daily Maximum	Instant. Maximum		
Flow (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0	XXX	Upon Request	Grab
BOD5	XXX	XXX	XXX	10.0	50.0	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001 after disinfection

Other Comments: UV light maintenance as listed on the AMR.